



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : C-30-LED35-MO-D9.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] C-30-LED35-MO-D9  
 [TESTLAB] Intertek  
 [ISSUE DATE] March 6, 2017  
 [MANUFAC] Prudential Lighting

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3253
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	44
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Unknown
Luminous Length (0-180)	3.88 ft (Diameter)
Luminous Width (90-270)	3.33 ft (Diameter)
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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**CANDELA TABULATION**

	<b>0.0</b>	<b>22.5</b>	<b>45.0</b>	<b>67.5</b>	<b>90.0</b>	<b>112.5</b>	<b>135.0</b>	<b>157.5</b>	<b>180.0</b>	<b>202.5</b>
<b>0.0</b>	757.344	757.344	757.344	757.344	757.344	757.344	757.344	757.344	757.344	757.344
<b>2.5</b>	760.011	761.334	756.105	752.157	753.627	752.157	756.105	761.334	760.011	761.334
<b>5.0</b>	757.690	758.803	753.501	749.899	751.254	749.899	753.501	758.803	757.690	758.803
<b>7.5</b>	752.608	754.183	749.395	745.888	747.547	745.888	749.395	754.183	752.608	754.183
<b>10.0</b>	745.741	747.631	743.001	739.389	740.355	739.389	743.001	747.631	745.741	747.631
<b>12.5</b>	738.696	739.263	734.664	730.401	732.018	730.401	734.664	739.263	738.696	739.263
<b>15.0</b>	727.933	728.962	724.962	722.106	722.064	722.106	724.962	728.962	727.933	728.962
<b>17.5</b>	716.278	717.559	714.346	710.409	711.438	710.409	714.346	717.559	716.278	717.559
<b>20.0</b>	702.828	705.253	700.413	698.502	698.628	698.502	700.413	705.253	702.828	705.253
<b>22.5</b>	689.556	690.154	687.393	683.140	684.841	683.140	687.393	690.154	689.556	690.154
<b>25.0</b>	673.774	676.168	671.517	670.057	668.514	670.057	671.517	676.168	673.774	676.168
<b>27.5</b>	657.499	657.625	654.580	651.829	651.756	651.829	654.580	657.625	657.499	657.625
<b>30.0</b>	639.303	639.744	635.953	634.515	633.591	634.515	635.953	639.744	639.303	639.744
<b>32.5</b>	618.838	620.529	617.001	614.880	612.696	614.880	617.001	620.529	618.838	620.529
<b>35.0</b>	598.216	598.941	595.833	594.877	593.134	594.877	595.833	598.941	598.216	598.941
<b>37.5</b>	576.124	576.429	573.919	572.134	572.239	572.134	573.919	576.429	576.124	576.429
<b>40.0</b>	552.520	553.234	550.000	550.021	549.475	550.021	550.000	553.234	552.520	553.234
<b>42.5</b>	527.373	527.058	526.039	524.443	524.412	524.443	526.039	527.058	527.373	527.058
<b>45.0</b>	502.194	501.942	500.199	500.734	498.991	500.734	500.199	501.942	502.194	501.942
<b>47.5</b>	474.883	474.631	474.159	473.928	474.894	473.928	474.159	474.631	474.883	474.631
<b>50.0</b>	447.646	448.003	446.796	447.090	446.985	447.090	446.796	448.003	447.646	448.003
<b>52.5</b>	420.126	419.632	418.393	418.992	418.729	418.992	418.393	419.632	420.126	419.632
<b>55.0</b>	391.503	391.240	389.266	389.886	389.812	389.886	389.266	391.240	391.503	391.240
<b>57.5</b>	362.376	362.208	362.008	361.284	361.714	361.284	362.008	362.208	362.376	362.208
<b>60.0</b>	333.532	332.755	331.716	332.241	332.650	332.241	331.716	332.755	333.532	332.755
<b>62.5</b>	303.922	303.282	303.733	301.885	301.906	301.885	303.733	303.282	303.922	303.282
<b>65.0</b>	275.520	272.223	273.598	271.099	272.338	271.099	273.598	272.223	275.520	272.223
<b>67.5</b>	244.356	242.298	242.676	241.416	242.676	241.416	242.676	242.298	244.356	242.298
<b>70.0</b>	214.557	212.362	212.845	212.257	212.761	212.257	212.845	212.362	214.557	212.362
<b>72.5</b>	184.989	183.687	182.721	182.248	184.233	182.248	182.721	183.687	184.989	183.687
<b>75.0</b>	156.754	154.581	154.339	153.625	155.347	153.625	154.339	154.581	156.754	154.581
<b>77.5</b>	127.249	125.569	125.317	126.241	126.199	126.241	125.317	125.569	127.249	125.569
<b>80.0</b>	98.311	98.049	97.366	97.398	98.406	97.398	97.366	98.049	98.311	98.049
<b>82.5</b>	71.662	70.192	70.759	69.594	70.266	69.594	70.759	70.192	71.662	70.192
<b>85.0</b>	45.349	45.465	45.013	44.845	44.152	44.845	45.013	45.465	45.349	45.465
<b>87.5</b>	20.149	20.527	20.716	19.078	18.700	19.078	20.716	20.527	20.149	20.527
<b>90.0</b>	3.160	3.339	3.874	4.830	5.607	4.830	3.874	3.339	3.160	3.339
<b>92.5</b>	5.134	5.701	5.575	5.701	5.575	5.701	5.575	5.701	5.134	5.701
<b>95.0</b>	11.571	12.222	11.917	12.232	11.718	12.232	11.917	12.222	11.571	12.222
<b>97.5</b>	21.010	20.569	20.559	20.653	20.370	20.653	20.559	20.569	21.010	20.569
<b>100.0</b>	33.894	31.500	31.300	31.437	30.156	31.437	31.300	31.500	33.894	31.500
<b>102.5</b>	47.155	43.701	42.976	42.808	42.021	42.808	42.976	43.701	47.155	43.701
<b>105.0</b>	60.648	57.414	55.618	55.240	55.366	55.240	55.618	57.414	60.648	57.414
<b>107.5</b>	74.172	72.586	69.342	68.901	70.003	68.901	69.342	72.586	74.172	72.586
<b>110.0</b>	88.672	88.116	84.693	83.706	85.638	83.706	84.693	88.116	88.672	88.116
<b>112.5</b>	103.803	103.813	100.789	99.571	101.755	99.571	100.789	103.813	103.803	103.813
<b>115.0</b>	119.248	119.500	117.075	115.762	118.062	115.762	117.075	119.500	119.248	119.500
<b>117.5</b>	135.093	135.597	133.192	132.247	134.410	132.247	133.192	135.597	135.093	135.597
<b>120.0</b>	151.137	151.861	149.562	148.648	150.885	148.648	149.562	151.861	151.137	151.861
<b>122.5</b>	167.674	168.304	166.026	165.259	167.412	165.259	166.026	168.304	167.674	168.304
<b>125.0</b>	184.243	184.905	182.511	182.332	183.823	182.332	182.511	184.905	184.243	184.905
<b>127.5</b>	200.844	201.495	198.912	199.384	200.602	199.384	198.912	201.495	200.844	201.495
<b>130.0</b>	217.476	218.200	215.596	216.195	217.875	216.195	215.596	218.200	217.476	218.200
<b>132.5</b>	234.223	234.895	232.533	233.194	234.937	233.194	232.533	234.895	234.223	234.895

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**CANDELA TABULATION - (Cont.)**

135.0	250.981	251.716	249.396	250.351	251.790	250.351	249.396	251.716	250.981	251.716
137.5	267.645	268.453	266.154	267.382	268.537	267.382	266.154	268.453	267.645	268.453
140.0	284.245	285.012	282.628	284.046	285.400	284.046	282.628	285.012	284.245	285.012
142.5	300.541	301.266	298.861	300.310	301.675	300.310	298.861	301.266	300.541	301.266
145.0	316.228	317.016	314.601	316.092	317.320	316.092	314.601	317.016	316.228	317.016
147.5	331.117	332.199	329.668	331.075	332.188	331.075	329.668	332.199	331.117	332.199
150.0	345.513	346.668	343.864	345.303	346.321	345.303	343.864	346.668	345.513	346.668
152.5	359.131	360.150	357.462	358.900	359.761	358.900	357.462	360.150	359.131	360.150
155.0	371.920	372.802	370.303	371.427	372.162	371.427	370.303	372.802	371.920	372.802
157.5	383.554	384.342	382.252	382.987	383.638	382.987	382.252	384.342	383.554	384.342
160.0	394.222	395.167	392.931	393.424	394.054	393.424	392.931	395.167	394.222	395.167
162.5	403.714	404.953	402.160	402.769	403.525	402.769	402.160	404.953	403.714	404.953
165.0	412.209	413.322	410.518	411.064	411.715	411.064	410.518	413.322	412.209	413.322
167.5	419.359	420.430	417.732	418.047	418.866	418.047	417.732	420.430	419.359	420.430
170.0	425.334	426.300	423.685	424.021	424.809	424.021	423.685	426.300	425.334	426.300
172.5	430.006	430.941	428.305	428.599	429.397	428.599	428.305	430.941	430.006	430.941
175.0	433.345	434.080	431.529	431.907	432.684	431.907	431.529	434.080	433.345	434.080
177.5	435.424	436.075	433.513	433.870	434.647	433.870	433.513	436.075	435.424	436.075
180.0	435.309	435.309	435.309	435.309	435.309	435.309	435.309	435.309	435.309	435.309

**Vert. Angles**      **Horizontal Angles**

	<b>225.0</b>	<b>247.5</b>	<b>270.0</b>	<b>292.5</b>	<b>315.0</b>	<b>337.5</b>	<b>360.0</b>
0.0	757.344	757.344	757.344	757.344	757.344	757.344	757.344
2.5	756.105	752.157	753.627	752.157	756.105	761.334	760.011
5.0	753.501	749.899	751.254	749.899	753.501	758.803	757.690
7.5	749.395	745.888	747.547	745.888	749.395	754.183	752.608
10.0	743.001	739.389	740.355	739.389	743.001	747.631	745.741
12.5	734.664	730.401	732.018	730.401	734.664	739.263	738.696
15.0	724.962	722.106	722.064	722.106	724.962	728.962	727.933
17.5	714.346	710.409	711.438	710.409	714.346	717.559	716.278
20.0	700.413	698.502	698.628	698.502	700.413	705.253	702.828
22.5	687.393	683.140	684.841	683.140	687.393	690.154	689.556
25.0	671.517	670.057	668.514	670.057	671.517	676.168	673.774
27.5	654.580	651.829	651.756	651.829	654.580	657.625	657.499
30.0	635.953	634.515	633.591	634.515	635.953	639.744	639.303
32.5	617.001	614.880	612.696	614.880	617.001	620.529	618.838
35.0	595.833	594.877	593.134	594.877	595.833	598.941	598.216
37.5	573.919	572.134	572.239	572.134	573.919	576.429	576.124
40.0	550.000	550.021	549.475	550.021	550.000	553.234	552.520
42.5	526.039	524.443	524.412	524.443	526.039	527.058	527.373
45.0	500.199	500.734	498.991	500.734	500.199	501.942	502.194
47.5	474.159	473.928	474.894	473.928	474.159	474.631	474.883
50.0	446.796	447.090	446.985	447.090	446.796	448.003	447.646
52.5	418.393	418.992	418.729	418.992	418.393	419.632	420.126
55.0	389.266	389.886	389.812	389.886	389.266	391.240	391.503
57.5	362.008	361.284	361.714	361.284	362.008	362.208	362.376
60.0	331.716	332.241	332.650	332.241	331.716	332.755	333.532
62.5	303.733	301.885	301.906	301.885	303.733	303.282	303.922
65.0	273.598	271.099	272.338	271.099	273.598	272.223	275.520
67.5	242.676	241.416	242.676	241.416	242.676	242.298	244.356
70.0	212.845	212.257	212.761	212.257	212.845	212.362	214.557
72.5	182.721	182.248	184.233	182.248	182.721	183.687	184.989
75.0	154.339	153.625	155.347	153.625	154.339	154.581	156.754
77.5	125.317	126.241	126.199	126.241	125.317	125.569	127.249
80.0	97.366	97.398	98.406	97.398	97.366	98.049	98.311

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**CANDELA TABULATION - (Cont.)**

82.5	70.759	69.594	70.266	69.594	70.759	70.192	71.662
85.0	45.013	44.845	44.152	44.845	45.013	45.465	45.349
87.5	20.716	19.078	18.700	19.078	20.716	20.527	20.149
90.0	3.874	4.830	5.607	4.830	3.874	3.339	3.160
92.5	5.575	5.701	5.575	5.701	5.575	5.701	5.134
95.0	11.917	12.232	11.718	12.232	11.917	12.222	11.571
97.5	20.559	20.653	20.370	20.653	20.559	20.569	21.010
100.0	31.300	31.437	30.156	31.437	31.300	31.500	33.894
102.5	42.976	42.808	42.021	42.808	42.976	43.701	47.155
105.0	55.618	55.240	55.366	55.240	55.618	57.414	60.648
107.5	69.342	68.901	70.003	68.901	69.342	72.586	74.172
110.0	84.693	83.706	85.638	83.706	84.693	88.116	88.672
112.5	100.789	99.571	101.755	99.571	100.789	103.813	103.803
115.0	117.075	115.762	118.062	115.762	117.075	119.500	119.248
117.5	133.192	132.247	134.410	132.247	133.192	135.597	135.093
120.0	149.562	148.648	150.885	148.648	149.562	151.861	151.137
122.5	166.026	165.259	167.412	165.259	166.026	168.304	167.674
125.0	182.511	182.332	183.823	182.332	182.511	184.905	184.243
127.5	198.912	199.384	200.602	199.384	198.912	201.495	200.844
130.0	215.596	216.195	217.875	216.195	215.596	218.200	217.476
132.5	232.533	233.194	234.937	233.194	232.533	234.895	234.223
135.0	249.396	250.351	251.790	250.351	249.396	251.716	250.981
137.5	266.154	267.382	268.537	267.382	266.154	268.453	267.645
140.0	282.628	284.046	285.400	284.046	282.628	285.012	284.245
142.5	298.861	300.310	301.675	300.310	298.861	301.266	300.541
145.0	314.601	316.092	317.320	316.092	314.601	317.016	316.228
147.5	329.668	331.075	332.188	331.075	329.668	332.199	331.117
150.0	343.864	345.303	346.321	345.303	343.864	346.668	345.513
152.5	357.462	358.900	359.761	358.900	357.462	360.150	359.131
155.0	370.303	371.427	372.162	371.427	370.303	372.802	371.920
157.5	382.252	382.987	383.638	382.987	382.252	384.342	383.554
160.0	392.931	393.424	394.054	393.424	392.931	395.167	394.222
162.5	402.160	402.769	403.525	402.769	402.160	404.953	403.714
165.0	410.518	411.064	411.715	411.064	410.518	413.322	412.209
167.5	417.732	418.047	418.866	418.047	417.732	420.430	419.359
170.0	423.685	424.021	424.809	424.021	423.685	426.300	425.334
172.5	428.305	428.599	429.397	428.599	428.305	430.941	430.006
175.0	431.529	431.907	432.684	431.907	431.529	434.080	433.345
177.5	433.513	433.870	434.647	433.870	433.513	436.075	435.424
180.0	435.309	435.309	435.309	435.309	435.309	435.309	435.309

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	276.31	N.A.	8.50
0-30	585.88	N.A.	18.00
0-40	958.83	N.A.	29.50
0-60	1694.18	N.A.	52.10
0-80	2127.42	N.A.	65.40
0-90	2178.11	N.A.	66.90
10-90	2106.46	N.A.	64.70
20-40	682.52	N.A.	21.00
20-50	1068.71	N.A.	32.80
40-70	1005.27	N.A.	30.90
60-80	433.24	N.A.	13.30
70-80	163.32	N.A.	5.00
80-90	50.68	N.A.	1.60
90-110	75.75	N.A.	2.30
90-120	192.35	N.A.	5.90
90-130	356.40	N.A.	11.00
90-150	747.31	N.A.	23.00
90-180	1075.39	N.A.	33.10
110-180	999.64	N.A.	30.70
0-180	3253.49	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	71.65
10-20	204.66
20-30	309.57
30-40	372.95
40-50	386.19
50-60	349.16
60-70	269.92
70-80	163.32
80-90	50.68
90-100	15.25
100-110	60.50
110-120	116.60
120-130	164.05
130-140	193.39
140-150	197.51
150-160	171.02
160-170	116.01
170-180	41.05

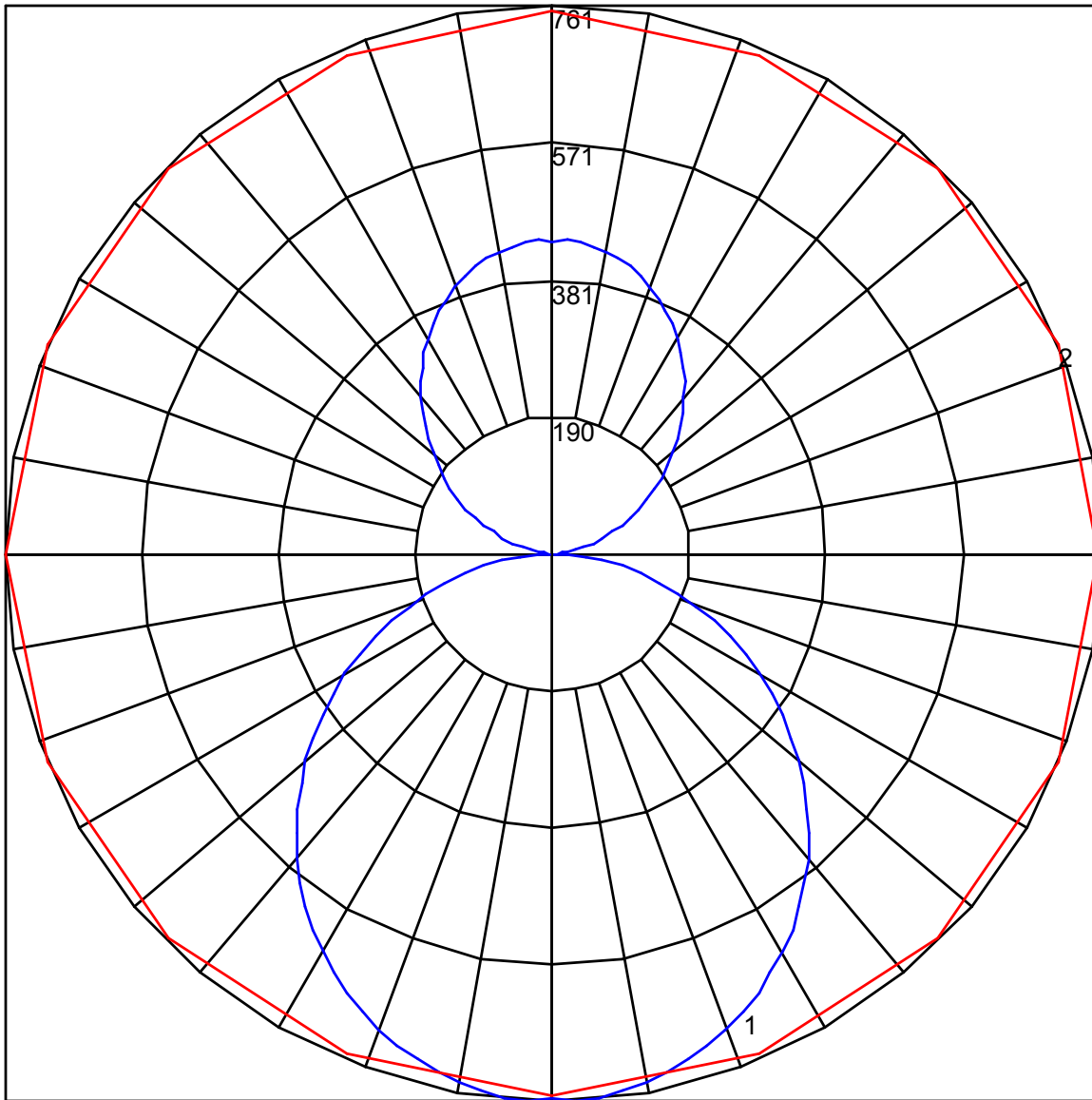
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72	67
1	101	97	92	89	95	91	88	84	81	78	76	71	69	67	63	61	60	56
2	92	84	78	72	86	79	74	69	71	66	62	62	59	56	55	52	50	46
3	84	74	66	60	78	70	63	57	62	56	52	55	51	47	48	45	42	39
4	77	65	57	50	72	62	54	48	55	49	44	49	44	40	43	39	36	33
5	70	58	49	43	66	55	47	41	49	43	38	44	39	35	39	35	31	28
6	65	52	44	37	61	49	42	36	44	38	33	40	34	30	35	31	28	25
7	60	47	39	33	56	45	37	32	40	34	29	36	31	27	32	28	24	22
8	56	43	35	29	52	41	33	28	37	30	26	33	28	24	29	25	22	20
9	52	39	31	26	49	37	30	25	34	27	23	30	25	21	27	23	20	18
10	48	36	28	23	46	34	27	23	31	25	21	28	23	19	25	21	18	16

POLAR GRAPH



Maximum Candela = 761.334 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)